Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)					
2003	3YDXL2.00D4T	1.995	8000						
	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
D	Pirect Diesel Injection, To	urbocharger	Crane, Loader, Tractor, Dozer, Pump, Compressor, Generator Set						

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbons (HC), oxides of nitrogen (NOx), or non-methane hydrocarbons plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER	EMISSION STANDARD					OPACITY (%)					
CLASS	CATEGORY		нс	NOx	NMHC+NOx	co	РМ	ACCEL	LUG	PEAK	
37 ≤ kW < 75	Tier 1	STD	N/A	9.2	N/A	N/A	N/A	20	15	50	
		CERT		7.0				8	6	18	

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Raphael Sunowi

Executed at El Monte, California on this ______ day of December 2002.

Allen Lyons, Chief

Mobile Source Operations Division

Engine Model S mary Form

Yanmar Co., Ltd. Manufacturer:

Engine category: Nonroad CI
EPA Engine Fart≱y: 3YDXL2.00D4T Engine category:

Mfr Family Name: N/A

New Submission Process Code:

ATTACHMENT

EO U-K-028-0108

9.Emission Control Device Per SAF. J1930		NU	NU XXXXX	NH H	IN I	EM OD T	CIT ON MICH.		NA N		MU	NI NI	A LINI											
8.Fuel Rate: (lbs/hr)@peak torque	A 1124 A	14 B	0.+-	14.8	74.8	14.8		14.8	10.4.2	1/3	C.T.	2 V 2 V 3	2°-1									はある。		
7.Fuel Rate; mm/stroke@peak torque	38.9	37.3	6.7.6.7.8.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	37.3	37.3	37.3	373	37.3	36.0	36.2	296	36.2						となっていることがあった。	THE PROPERTY OF THE PARTY OF TH	のこれを見るできない。				
6.Torque @ RPM (SEA Gross)	127,6/1800	121.0/1800	121.0/1800	121.0/1800	121,0/1800	121.0/1800	121,0/1800	121.0/1800	116.0/1800	116.5/1800	116.5/1800	116.5/1800												
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	21.6	20.3	20.9	20.9		The second secon									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	34.6	34.6	34.6	34,6	34.6	34.6	34.6	34.6	32.8	33.0	£ 34.0	33.8		eriden en sederim de dependen en e		では、								
3.BHP@RPM (SAE Gross)	42) 55.8/3000	55.8/3000	55.8/3000	55.8/3000	55.8/3000	55.8/3000	55.8/3000	55.8/3000	55,2/3000	51.8/2800	53.4/2800	53.0/2800												
2.Engine Model	4 TNE84T-DM $> (4_2)$ 55.8/3000	4TNE84T-G2A	4TNE84T-ESA	4TNE84T-ESA	4TNE84T-EU	4TNE84T-EJS	4TNE84T-EHP	4TNE84T-EYA	4TNE84T-EJW	4TNE84T-EWA	*S4D84E-1FD	4TNE84T-ENS									ではない 一つのながる	TO SERVICE STATE OF THE SERVICE STATE STATE OF THE SERVICE STATE OF THE SERVICE STATE STATE OF THE SERVICE STATE STATE STATE OF THE SERVICE STATE STAT		
1.Engine Code	N/A	N/A	NA	N/A	NA	N/A	NA	N/A	NA	N/A	NA	N/A						A STATE OF STATE OF THE STATE O			は、 は、 は、 は、 は、 ないは、 は、 は	20 10 10 10 10 10 10 10 10 10 10 10 10 10	The state of the s	